

# TORONTO STOCK EXCHANGE

FILING STATEMENT No. 541.  
ACCEPTED FOR FILING, FEBRUARY 23rd. 1961.

## CAN-ERIN MINES LIMITED

Full corporate name of Company

Incorporated by Letters Patent dated October 30, 1939, under the Companies Act Ontario (Part XI) as Laguerre Gold Mines Limited; by Supplementary Letters Patent dated August 31, 1950 the name of the Company was changed to New Laguerre Mines Limited; by Supplementary Letters Patent dated March 26, 1956, the name of the Company was changed to Can-Erin Mines Limited.

Particulars of incorporation (e.g., Incorporated under Part IV of the Corporations Act, 1953 (Ontario) by Letters Patent dated May 1st, 1957).

### FILING STATEMENT

Reference is made to previous  
Amending Filing Statement No.21.

(To be filed with respect to any material change in a company's affairs, including among other things, an underwriting and option agreement, an issue of shares for property and a proposed re-organization.)

1. Brief statement of the material change in the affairs of the company in respect of which this statement is filed.	The Company has entered into an underwriting and option agreement respecting treasury shares as hereinafter set out.				
2. Head office address and any other office address.	Suite B, 170 Bay Street, Toronto, Ontario.				
3. Names, addresses and chief occupations for the past five years of present or proposed officers and directors.	<p>a) M.C. van der Voort, President &amp; Director, 61 Burnhamthorpe Park Blvd., Toronto, Lawyer.</p> <p>b) William M. Lipsett, Vice President &amp; Director, 3550 Yonge St., Toronto; Toronto representative of Inspiration Mining &amp; Development Co. Ltd.</p> <p>c) John A. Kennedy, Director, 382 Fraser St., North Bay, Ont. Real Estate Broker.</p> <p>d) Alfred G. Andrews, Director, 701 McConnel Ave., Cornwall, Ont. Partner, Walwyn Stodgell &amp; Co. Ltd.</p> <p>e) Munroe Abbey, Director, Ste. 20, 1374 Sherbrooke St., Montreal, P.Q., Solicitor.</p> <p>f) Joseph McParland, Director, 3 Sugar Island, Newry, County Down, North Ireland, operator of road construction firm in Northern Ireland.</p> <p>g) S. McCormick, Vice-President and Director, Jamestown Road, Dublin, Ireland, chairman and Managing Director of S. McCormick Ltd., Dublin.</p> <p>h) Everett E. Ott, Secretary-Treasurer, 67 Yonge St., Toronto, Chartered Secretary and Certified Public Accountant.</p>				
4. Share capitalization showing authorized and issued and outstanding capital.	<table><tr><td>Authorized capital</td><td>6,000,000 shares par value \$1.00</td></tr><tr><td>Issued and Outstanding</td><td>5,050,000 shares par value \$1.00</td></tr></table>	Authorized capital	6,000,000 shares par value \$1.00	Issued and Outstanding	5,050,000 shares par value \$1.00
Authorized capital	6,000,000 shares par value \$1.00				
Issued and Outstanding	5,050,000 shares par value \$1.00				
5. Particulars in respect of any bonds, debentures, notes, mortgages, charges, liens or hypothecations outstanding.	None				
6. Details of any treasury shares or other securities now the subject of any underwriting, sale or option agreement or of any proposed underwriting, sale or option agreement.	<p>The Company has entered into an underwriting and option agreement dated February 22, 1961, with Denison Mines Limited, J.B. Streit &amp; Co. Ltd., T.A. Richardson &amp; Co., and Roman Corporation Limited, whereby Denison Mines Limited, J.B. Streit &amp; Co. Ltd. and T.A. Richardson &amp; Co. (on behalf of a client) as underwriters have agreed to purchase 400,000 treasury shares at 40¢ per share and were given an option on a further 400,000 shares as follows:</p> <table><tr><td>100,000 shares at 50¢ within three months</td></tr><tr><td>100,000 shares at 50¢ within six months</td></tr><tr><td>100,000 shares at 60¢ within nine months</td></tr><tr><td>100,000 shares at 60¢ within twelve months</td></tr></table>	100,000 shares at 50¢ within three months	100,000 shares at 50¢ within six months	100,000 shares at 60¢ within nine months	100,000 shares at 60¢ within twelve months
100,000 shares at 50¢ within three months					
100,000 shares at 50¢ within six months					
100,000 shares at 60¢ within nine months					
100,000 shares at 60¢ within twelve months					
7. Names and addresses of persons having any interest, direct or indirect in underwritten or optioned shares or other securities or assignments, present or proposed, and, if any assignment is contemplated, particulars thereof.	<p>The Company is advised by the underwriters that only the following have any interest in the said underwriting and option agreement</p> <p>Denison Mines Limited, 360 Bay St., Toronto, as to 55%</p> <p>J. Bradley Streit &amp; Co. Ltd., 80 Richmond St., West, Toronto, as to 10%</p> <p>David Fingard, Room 920, 2 Carlton St., Toronto, as to 35%, as the client of T. A. Richardson &amp; Co., and of which David Fingard has assigned a 11% interest to William L. Sheridan, 33 Laird Drive, Toronto, and a further 11% interest to James E. Brown, Q.C., 42 George St., Brantford, Ont.</p>				
8. Any payments in cash or securities of the company made or to be made to a promoter or finder in connection with a proposed underwriting or property acquisition.	There are no payments in cash or securities of the Company made or to be made to a promoter or finder in connection with the underwriting option.				
9. Brief statement of company's future development plans, including proposed expenditure of proceeds of sale of treasury shares, if any.	<p>The Company proposes to devote the proceeds of the sale of its shares under the proposed underwriting and option agreement for management and exploration, and particularly to carry out the exploration and development of its Bear Haven concession under the joint direction of and in accordance with the joint recommendations of Roman Corporation Limited and the Company or their nominees to the estimated initial extent of approximately \$125,000.00, and satisfying its current liabilities, not exceeding \$25,000.00.</p>				

MAR 4 1961



# FINANCIAL STATEMENTS

CAN-ERIN MINES LIMITED

## BALANCE SHEET

As at December 31, 1960

### A S S E T S

#### Current Assets

Cash on deposit in Banks \$ 4,264.64  
Accounts Receivable 538.90  
Advance 537.90  
5,341.44

#### Investments in wholly-owned Subsidiary Companies

Mining Corporation of Ireland Ltd.  
Shares \$ 100,025.00  
Advances 125,966.53  
225,991.53

#### Emerald Isle Mining Corporation Ltd

Shares \$ 140,000.00  
Advances 989,273.90  
1,129,273.90

#### Other Investments

Minerals Development Corp. Ltd  
Ireland \$ 177,000.00

#### Fixed Assets

Mining Claims \$ 149,181.00  
Completed Oil Wells \$ 35,107.27  
Interest in Petroleum  
& Natural Gas Leases 29,193.23  
64,300.50

Mining Plant Equipment 3,844.21  
Office Equipment 161.70  
4,005.91

#### Deferred Expenditures

Development & Administration \$ 1,061,367.54  
Oil & Natural Gas Exploration 135,806.48  
Organization Expenses 5,239.96  
1,202,213.98

#### Total Assets

\$ 2,957,308.26

APPROVED ON BEHALF OF THE BOARD

"W. M. Lipsett" Director

"M. G. van der Voort" Director

### LIABILITIES and CAPITAL

#### Current Liabilities

Accounts Payable \$ 8,677.48

#### Deferred Liabilities

Due to Proprietary Mines Limited,  
Payable out of Profits from Properties  
acquired from Raven River Mines Limited  
25,895.69

#### Capital

Authorized  
6,000,000 shares par value \$1.00 each

Issued as Fully Paid \$ 5,050,000.00  
5,050,000 shares  
Less Discount thereon ( 1,802,500.00)  
\$ 3,247,500.00

Add Capital Surplus resulting  
from re-organization 201,825.23

\$ 3,449,395.23

Less Deficit Account ( 526,660.14) \$ 2,922,735.09

#### Total Liabilities

\$ 2,957,308.26

Statement of any material changes in the items on the Balance Sheet since the date thereof (December 31, 1960).

This is to certify that there is no material change in the items in the Balance Sheet of Can-Erin Mines Limited as at December 31, 1960, to date hereof.

Dated at Toronto, Ontario, this 13th day of February, 1961

APPROVED ON BEHALF OF THE BOARD

Director

Director



CAN-ERIN MINES LIMITED

STATEMENT OF SOURCE AND APPLICATION OF FUNDS

Since the Date of the Previous Filing Statement

November 1, 1960 to January 31, 1961

Funds Provided

\$ Nil

Funds Applied

To - Head Office Administration

President's Salary	150.00	
Secretarial & Accounting	400.00	
Shareholders' Information (Special Meeting)	709.86	
General Expenses	31.94	
Legal Fees	35.00	
Filing Fees & Expenses	49.95	
Travel & Expenses	3,205.49	
Telephone, Telegraph & Postage	1,068.85	
Office Rent	265.00	
Office Salaries	725.00	
Hydro	23.99	
Legal Fees & Expenses re Litigation Settlement	11,500.00	\$ 18,165.08

Mine Exploration & Development

Mine Management Fees	\$ 9,500.00	
Behre, Dolbar & Co - Report	3,241.13	12,741.13

Advances

To Subsidiary

Emerald Isle Mining Co. Ltd.	\$ 3,800.52	3,800.52	34,706.73
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Decrease in Working Capital \$ 34,706.73

Approved on Behalf of the Board

"W. M. Lipsett" Director.

"M.C. van der Voort" Director.



February 20th, 1961

The Directors,  
Can-Erin Mines Limited,  
170 Bay Street,  
TORONTO 1, Ont.

Gentlemen:

During the past year all exploration and development work carried out by your Company was confined to the Bearhaven concession, located in County Cork, Ireland, and held by your wholly-owned subsidiary, Emerald Isle Mining Company Limited.

The work carried out consisted of surface mapping in the vicinity of the Mountain, Caminches, Commonmoor and Great Mountain veins as well as underground development and exploration in the Mountain Mine. The underground development consisted of extending the No. 2 Cross-cut to a point 413 feet north of the 1350 East drift, drifting west of the old skip shaft for 100 feet on the 1350-foot level, drifting north and west on the North-South and new East-West orebodies on the 1200-foot level, rehabilitating the East drift on the 800-foot level and cross-cutting 100 feet to the north and rehabilitating the East drift on the 400-foot level, and cross-cutting 100 feet to the North. This amounted to 914 feet of lateral work carried out during the year.

A total of 22,114 feet of diamond drilling was completed, using three underground drills. This drilling was carried out from the 1350, 1200, 800 and 400-foot levels. It was directed mainly to blocking out ore in the four known ore zones in the Mountain Mine, namely, the Main East-West, the New East-West, the North-South and No. 2 East-West zones. In addition, diamond drilling was started from the 400 and 800-foot levels to probe the Commonmoor zone, an East-West structure located 500 feet north of the Mountain Mine.

Diamond Drilling to the end of 1960 indicated approximately one and one half million tons of ore grading 1.81% copper in the North-South lode and 450,000 tons grading 1.78% in the main East-West lode, with an additional 450,000 tons of marginal ore. These ore reserves are calculated down to approximately the 2100-foot horizon.

During the year, three Broomwade air compressors, with a total output of 1,000 cubic feet of air were purchased and replaced two old compressors with a total output of 500 cubic feet of air.

The total mine and surface labour force varied from forty to fifty men. A warehouse and machine shop were constructed and considerable improvements made to the dry and bunkhouse facilities.

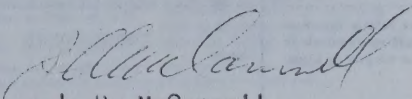
It is now planned to carry out a much more extensive underground exploration programme as well as to explore some of the other known copper occurrences in the immediate Allihies area. This programme will require from 800 to 1,000 feet of lateral work and from 25,000 to 40,000 feet of underground diamond drilling. In addition, it is planned to employ two diamond drills on surface under contract. These surface drills will be used to drill the Dooneen, Commonmoor and Great Mountain lodes. Some improvements will have to be made on the Man Engine shaft to increase its present capacity from 60 tons of muck per day to 100 tons per day in order to speed the underground development work.



The underground diamond drilling programme to be carried out in the Mountain Mine will be directed to probing the North-South and main East-West orebodies to at least the 2500-foot horizon. Additional drilling is planned to follow the Commonmoor zone along strike and below the 400-foot level as well as further drilling of the No. 2 East-West zone on the 1350-foot level. At least one 1500 to 2000-foot flat hole will be drilled to the South-East on the 1350-foot level to probe the Caminches vein below the present workings which are reported to be 910 feet deep.

It is planned to start this work as soon as possible and \$125,000 should be made available to inaugurate the programme.

Respectfully submitted,

  
J. D. McCannell,  
Consulting Geologist.

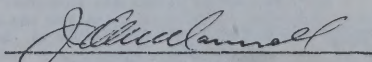
JDMcC:rf

### C E R T I F I C A T E

I, James D. McCannell, of the City of Toronto, Ontario, do hereby declare:

- 1) THAT I am a Consulting Geologist and reside at 565 Avenue Road, Toronto, Ontario.
- 2) THAT I graduated from the University of Western Ontario in 1943, with a degree in Geology and Chemistry and have been practicing my profession as a geologist since graduation.
- 3) THAT I have no interest either directly or indirectly in the properties of CAN-ERIN MINES LIMITED referred to in the accompanying report nor do I expect to receive any such interest.
- 4) THAT I own outright 60,000 shares of CAN-ERIN MINES LIMITED purchased on the open market and that I hold an option, granted by the Directors of CAN-ERIN MINES LIMITED, to purchase 150,000 shares of the Company's treasury stock at a price of 75¢ per share. On February 1st, 1961, this option was extended to July 31st, 1961.
- 5) THAT I hold no interest in the securities of CAN-ERIN MINES LIMITED nor its subsidiary companies other than that described in Clause 4.
- 6) THAT I am President and own one share, representing one-third of the issued capital of TRANS-OCEAN EXPLORATION AND MANAGEMENT LIMITED, a private company having a contract with CAN-ERIN MINES LIMITED to manage that company's mining properties in the Republic of Ireland.
- 7) THAT I have supervised the entire exploration program carried out by CAN-ERIN MINES LIMITED in the Republic of Ireland through their wholly-owned subsidiary EMERALD ISLE MINING COMPANY LIMITED.

DATED at Toronto, Ontario, this 20th day of February, 1961.

  
J. D. McCannell



10. Brief statement of company's chief development work during past year.	During the past year the Company carried out underground exploration and development work in the Mountain Mine located in Allihies, Republic of Ireland. This work consisted of 914 feet of lateral work and 22,114 feet of diamond drilling. In addition surface geological mapping was carried on in the vicinity of the Mountain Mine.																				
11. Names and addresses of vendors of any property or other assets intended to be purchased by the company showing the consideration to be paid.	The Company has no present intention of purchasing any property or other assets.																				
12. Names and addresses of persons who have received or will receive a greater than 5% interest in the shares or other consideration to be received by the vendor. If the vendor is a limited company, the names and addresses of persons having a greater than 5% interest in the vendor company.	Not applicable. See Item 11 above.																				
13. Number of shares held in escrow or in pool and a brief statement of the terms of escrow or the pooling agreement.	None																				
14. Names and addresses of owners of more than a 5% interest in escrowed shares and their shareholdings (If shares are registered in the names of nominees or in street names, give names of beneficial owners, if possible.)	None																				
15. Names, addresses and shareholdings of five largest registered shareholders and if shareholdings are pooled or escrowed, so stating. If shares are registered in names of nominees or in street names, give names of beneficial owners, if possible, and if names are not those of beneficial owners, so state.	<table><tr><td>Guaranty Trust Company of Canada, 365 Bay St., Toronto</td><td>502,665 shares</td></tr><tr><td>Draper Dobie &amp; Co. Ltd., 25 Adelaide St.W., Toronto</td><td>247,642 "</td></tr><tr><td>J. P. Cannon &amp; Co. Ltd., 372 Bay St., Toronto</td><td>171,482 "</td></tr><tr><td>Lorraine Batler, 52 Cluny Drive, Toronto</td><td>165,000 "</td></tr><tr><td>Jack Purcell &amp; Co., 186 Bay St., Toronto</td><td>146,358 "</td></tr></table> <p>Except for the shares registered in the name of Lorraine Batler, the Company does not believe that any of the above shares are beneficially owned by the registered owners thereof, but the Company is not aware of the beneficial owners.</p>	Guaranty Trust Company of Canada, 365 Bay St., Toronto	502,665 shares	Draper Dobie & Co. Ltd., 25 Adelaide St.W., Toronto	247,642 "	J. P. Cannon & Co. Ltd., 372 Bay St., Toronto	171,482 "	Lorraine Batler, 52 Cluny Drive, Toronto	165,000 "	Jack Purcell & Co., 186 Bay St., Toronto	146,358 "										
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Lorraine Batler, 52 Cluny Drive, Toronto	165,000 "																				
Jack Purcell & Co., 186 Bay St., Toronto	146,358 "																				
16. Names, and addresses of persons whose shareholdings are large enough to materially affect control of the company.	No person has shareholdings large enough to materially affect control of the Company. However, the present management of the Company may be in a position to materially affect control of the Company if it is able to obtain proxies from the largest shareholders as referred to in Item 15 hereof.																				
17. If assets include investments in the shares or other securities of other companies, give an itemized statement thereof showing cost or book value and present market value.	<table><tr><td>Mining Corporation of Ireland Ltd.</td><td>Shares</td><td>Cost</td><td>of.</td></tr><tr><td></td><td>35,635</td><td>\$100,025</td><td></td></tr><tr><td>Emerald Isle Mining Co. Ltd.</td><td>49,400</td><td>140,000</td><td></td></tr><tr><td>Minerals Development Corp. Ltd.</td><td></td><td></td><td></td></tr><tr><td>(controlling interest)</td><td>25,001</td><td>177,000</td><td></td></tr></table> <p>There is no quoted market value at the present time on any of these shares.</p>	Mining Corporation of Ireland Ltd.	Shares	Cost	of.		35,635	\$100,025		Emerald Isle Mining Co. Ltd.	49,400	140,000		Minerals Development Corp. Ltd.				(controlling interest)	25,001	177,000	
Mining Corporation of Ireland Ltd.	Shares	Cost	of.																		
	35,635	\$100,025																			
Emerald Isle Mining Co. Ltd.	49,400	140,000																			
Minerals Development Corp. Ltd.																					
(controlling interest)	25,001	177,000																			
18. Brief statement of any lawsuits pending or in process against company or its properties.	None.																				
19. The dates of and parties to and the general nature of every material contract entered into by the company which is still in effect and is not disclosed in the foregoing.	On September 1, 1960, Can-Erin Mines Limited entered into a contract with Trans Ocean Explorations and Management Limited at \$2,500 per month to expire December 31, 1963 or 3 months after commencement of production of the mine, whichever is earlier.																				
20. Statement of any other material facts and if none, so state. Also state whether any shares of the company are in the course of primary distribution to the public.	<p>J. D. McCannell, 565 Avenue Road, Toronto, (the Company's geologist) was granted an option to purchase 200,000 shares at 75¢ per share on April 24, 1959. He has exercised this option with respect to 50,000 shares and the balance has been extended to July 31, 1961, with the acceptance of the Toronto Stock Exchange.</p> <p>Under the provisions of the aforesaid underwriting and option agreement, Denison Mines Limited has the immediate right to have elected to the Board of Directors of the Company, two qualified persons named by it. Under the said agreement Roman Corporation Limited has the right of first refusal on further financing of the Company for the period of one year from the date upon which the said underwriting and option agreement shall have expired, whether by lapse or exercise. J.B. Streit &amp; Co. Ltd., has the right to participate with Roman Corporation Limited in any further financing resulting from the said right of first refusal to the extent of ten percent thereof.</p> <p>The Company is not aware of any other material facts not herein disclosed.</p>																				

# CERTIFICATE OF THE COMPANY

DATED February 22, 1961

The foregoing, together with the financial information and other reports where required, constitutes full, true and plain disclosure of all material facts in respect of the matters referred to in Item 1 above and in respect of the company's affairs and there is no further material information applicable. (To be signed by two principal signing officers who are directors and the corporate seal to be affixed.)

"M.C. van der Voort"	CAN-ERIN MINES LIMITED CORPORATE
	Per: President SEAL
"E. E. Ott"	Per: Secretary

## CERTIFICATE OF UNDERWRITER OR OPTIONEE

To the best of my knowledge, information and belief, the foregoing, together with the financial information and the reports where required, constitutes full, true and plain disclosure of all material facts in respect of the matters referred to in Item 1 above in respect of the company's affairs. Concerning matters which are not within my knowledge, I have relied upon the accuracy and adequacy of the information supplied to me by the company. (To be signed by underwriter or optionee registered with the Ontario Securities Commission or a corresponding body.)

DENISON MINES LIMITED

J. B. STREIT & CO. LTD.

T. A. RICHARDSON & CO.

*[Signature]*

*[Signature]*

*[Signature]*



# THE TORONTO STOCK EXCHANGE

FILING STATEMENT NO. 1191,  
FILED, OCTOBER 22nd, 1964.

## CAN-ERIN MINES LIMITED

Incorporated by letters patent under the Companies Act, (Ontario) Part XI, dated October 30, 1939, as Laguerre Gold Mines Limited; by supplementary letters patent dated August 31, 1950, the name of the Company was changed to New Laguerre Mines Limited; by supplementary letters patent dated March 26, 1956 the name of the Company was changed to Can-Erin Mines Limited.

Particulars of incorporation (e.g., Incorporated under Part IV of the Corporations Act, 1953 (Ontario) by Letters Patent dated May 1st, 1957). Reference is made to previous Filing Statement No. 831 and Amending Filing Statement No. 99.

## FILING STATEMENT

(To be filed with respect to any material change in a company's affairs, including among other things, an underwriting and option agreement, an issue of shares for property and a proposed re-organization.)

1. Brief statement of the material change in the affairs of the company in respect of which this statement is filed.	<p>(a) application for supplementary letters patent to change the name of the company and to re-constitute its capital through pro rata cancellation of four (4) out of every five (5) presently issued shares and to increase the capital;</p> <p>(b) listing of "new" shares so created by supplementary letters patent on the Toronto Stock Exchange;</p> <p>(c) offering of rights, following supplementary letters patent entitling each shareholder then of record (except American shareholders) to subscribe for one share for each share in the Company's capital held by such shareholder;</p> <p>(d) underwriting agreement relative to shares not subscribed for by shareholders under the rights offering, to a maximum of 800,000 shares.</p> <p>(See Schedule "A" hereto). (See Schedule "A" on pages 2 &amp; 3).</p>
2. Head office address and any other office address.	20th Floor, 4 King Street West, Toronto, Ontario.
3. Names, addresses and chief occupations for the past five years of present or proposed officers and directors.	<p>President and Director - JOHN KOSTUIK, B.Sc., Mining Engineer, and General Manager, 14 Briandcliff Drive, Don Mills, Ontario.</p> <p>Vice-President and Director - S. McCORMICK, Chairman and Managing Director, Gosworth, Castle Park Road, Sandy Cove, Dublin, Ireland.</p> <p>Vice-President and Director - FREDERICK T. McDERMOTT, C. 52 Heathdale Road, Toronto, Ontario.</p> <p>Secretary-Treasurer and Director - JOHN S. GRANT, Q.C., 17 Daleberry Place, Willowdale, Ontario.</p> <p>Assistant Secretary-Treasurer - F.W. BOULGER, Accountant, 1596 Carmen Drive, Port Credit, Ontario.</p> <p>Director - MONROE ABBEY, Q.C., 1374 Sherbrooke St. W., Montreal, Quebec.</p> <p>Director - J. DOUGLAS STREIT, B.Sc., Mining Engineer and a member of the Toronto Stock Exchange, 3 Mildenhall Road, Toronto, Ontario.</p> <p>Director - ANTHONY ROMAN, R.R. No. 2, Gormley Ontario, Executive Assistant.</p> <p>Director - J. DOUGLAS STREIT, B.Sc., Mining Engineer and a member of the Toronto Stock Exchange 99 Arjay Crescent, Willowdale, Ontario.</p>
4. Share capitalization showing authorized and issued and outstanding capital.	<p>Authorized - \$6,000,000 divided into 6,000,000 shares with a par value of \$1 per share.</p> <p>Issued - 5,850,000 shares, all as fully paid and non-assessable shares.</p>
5. Particulars in respect of any bonds, debentures, notes, mortgages, charges, liens or hypothecations outstanding.	Nil
6. Details of any treasury shares or other securities now the subject of any underwriting, sale or option agreement or of any proposed underwriting, sale or option agreement.	See Schedule "A" on pages 2 & 3.
7. Names and addresses of persons having any interest, direct or indirect in underwritten or optioned shares or other securities or assignments, present or proposed, and, if any assignment is contemplated, particulars thereof.	See Schedule "A" on pages 2 & 3.
8. Any payments in cash or securities of the company made or to be made to a promoter or finder in connection with a proposed underwriting or property acquisition.	None.
9. Brief statement of company's future development plans, including proposed expenditure of proceeds of sale of treasury shares, if any.	<p>The Company will receive at least \$200,000 from the sale of at least 800,000 "new" shares at 25 cents per share under the rights offering referred to herein.</p> <p>The Company intends to spend such proceeds as follows: -</p> <p>(a) the sum of \$53,000 to pay in full the current liabilities of the Company reflected in the accompanying financial information;</p> <p>(b) an amount estimated not to exceed \$75,000, in exploration including additional surface diamond drilling, on the Company's property at Allihies, County Cork, Ireland, as recommended in the respective Reports of D.E. Cameron, B.Sc., dated August 7, 1964, and H.O. Seigel &amp; Associates dated August 3, 1964, and referred to herein;</p> <p>(c) the balance of such proceeds for working capital provided that the Company shall not use any of such funds for any further or other purposes save as disclosed herein unless and until notice thereof has been given to and accepted for filing by the Toronto Stock Exchange.</p>



SCHEDULE "A" to the Filing Statement of  
Can-Erin Mines Limited, dated  
October 20, 1964.

The Company will seek approval from its shareholders at the annual and a general meeting of the shareholders to be held in November, 1964, for the following and subject to such approval the same will immediately thereafter be undertaken:

1.- an application to the Lieutenant-Governor of the Province of Ontario for supplementary letters patent:

(i) changing the name of the Company to "ARGOSY MINING CORPORATION LIMITED" or such other name as is acceptable to the Provincial Secretary of Ontario, and the Toronto Stock Exchange; and

(ii) decreasing the capital of the Company by pro rata cancellation of 4,680,000 issued shares with a par value of \$1 each (and being four out of every five issued shares); and

(iii) increasing the capital of the Company to \$5,000,000 by creating an additional 3,680,000 shares with a par value of \$1 each, ranking equally with the then existing 1,170,000 issued shares and the 150,000 unissued shares, all with such par value.

2.- application to the Toronto Stock Exchange to list on that Exchange and to post for trading the "new" shares of the Company created by supplementary letters patent and to remove from trading the present shares of the Company.

3.- forthwith after the issue of supplementary letters patent and upon listing on the said Exchange, the offering of rights to shareholders then of record (save American shareholders) to purchase at the price of 25 cents per share, one additional share in the Company's capital as same shall be constituted following the issue of supplementary letters patent, for each share then owned.

Subscriptions for fractional shares shall not be accepted. The



new issue shall not be registered under the Securities Act of 1933 of the United States of America, and the shares will not be offered to shareholders whose recorded addresses are in the United States of America or any of its territories or possessions. The rights will however be transferable and will be traded on the Toronto Stock Exchange until shortly before they expire, and there is understood to be no objection to a United States shareholder selling his rights.

4.- At the termination of the rights offering the sale at 25 cents per share to John Gardon & Co.Limited (acting as broker for its client Denison Mines Limited) of such number of new shares (if any) up to a maximum of 600,000 shares as shall not be purchased by the shareholders (other than Denison) under the said offering. Denison Mines Limited has agreed with the Company to take up and purchase in full all of the new shares which will be available to it by virtue of its share holdings in the Company at the date of record.

Denison Mines Limited is a public company, the shares of which are widely distributed and are actively traded on the Toronto Stock Exchange. It is not possible to give the names of all shareholders of Denison Mines Limited who may at any time own shares thereof to the extent of 5% of its issued capital or more.

5.- In addition to the said sale of shares to Denison Mines Limited, the sale, at the termination of the said rights offering, of up to 200,000 new shares (if not subscribed for by the shareholders) to J.Bradley Streit & Co.Ltd., at a price of 25 cents per share. J.Bradley Streit & Co.Ltd. is acting as a principal on its own behalf. The persons owning a greater than 5% interest in J.Bradley Streit & Co.Ltd., are:- J.B.Streit, 1 Benvenuto Place, Toronto, Ontario; J.D.Streit, 99 Arjay Crescent, Willowdale, Ontario, and C.W.Streit, 88 Stratford Crescent, Toronto Ontario.



## FINANCIAL STATEMENTS

**CAN-ERIN MINES LIMITED**

## BALANCE SHEET

AS AT SEPTEMBER 30, 1964

## ASSETS

[illegible]

Approved on behalf of the Board,

Director

Director

## AUDITORS' REPORT TO THE SHAREHOLDERS

We have examined the Balance Sheet of Can-Erin Mines Limited as at September 30, 1964 and the Statement of Exploration and Development, including Head Office and Administrative Expenses, for the nine months ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

We report that, in our opinion, the above Balance Sheet and accompanying Statement of Exploration and Development present fairly the financial position of the company as at September 30, 1964, and the results of its operations for the nine months ended on that date, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

Toronto, Canada,  
October 15, 1964.

Eddis &amp; Associates

**CHARTERED ACCOUNTANTS.**



CAN-ERIN MINES LIMITED

STATEMENT OF EXPLORATION AND DEVELOPMENT  
INCLUDING HEAD OFFICE AND ADMINISTRATIVE EXPENSES  
FOR THE NINE MONTHS ENDED SEPTEMBER 30, 1964

Balance - January 1, 1964 \$1,311,689.62

Exploration and Development

Government fees and taxes \$ 341.54

Head Office and Administration

Legal and audit	\$1,897.82	
Rent and secretarial services	2,812.50	
Shareholders' information	2,007.87	
Stock exchange listing fees	100.00	
Transfer agents' fees	<u>843.15</u>	<u>7,661.34</u>
		8,002.88

Deduct:

Net gas sales	<u>326.95</u>	<u>7,675.93</u>
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Balance - September 30, 1964 \$1,319,365.55

CAN - ERIN MINES LIMITED

SOURCE AND APPLICATION OF FUNDS

PERIOD OCTOBER 31, 1962 TO SEPTEMBER 30, 1964.

Cash in Bank October 31, 1962. 2,913.12

SOURCE OF FUNDS

Net oil revenue	490.40	
Increase in Accounts Payable	37,498.15	
Rental of mining claims	1.00	
Decrease of accounts receivable	<u>139.71</u>	<u>38,129.26</u>
		41,042.38

APPLICATION OF FUNDS

Exploration & Development -		
Government fees and Taxes	678.46	
Engineering Fees	<u>1,733.34</u>	<u>2,411.80</u>

HEAD OFFICE AND ADMINISTRATION

Directors Fees	725.00	
Legal & Audit	5,953.97	
Office & General	223.61	
Rent	<u>7,812.50</u>	
Shareholders information	5,417.36	
Stock Exchange listing fees	514.33	
Transfer Agents fees	3,518.57	
Travel	<u>826.35</u>	<u>24,991.69</u>
		<u>27,403.49</u>
		13,638.89

Advances to Emerald Isle Mining Company	<u>12,765.13</u>
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Cash in Bank September 30, 1964 873.76



EMERALD ISLE MINING COMPANY LIMITED

## BALANCE SHEET as at 31st December, 1963.

	£	\$	£	\$
AUTHORISED CAPITAL				
50,000 Shares of £1 each	<u>£50,000</u>			
ISSUED CAPITAL AND RESERVES				
Issued Capital - 50,000 Shares of £1 each, fully paid		140,000.00		100,000.00
Premium on Shares	50,000. 0. 0.			
Dollar Exchange Reserve	4,845. 8. 6.	1,680.00	15,167. 0. 0.	42,467.60
	55,445. 8. 6.	<u>13,567.19</u>	50,881. 5. 9.	<u>142,467.60</u>
HOLDING COMPANY				
Amount due to Can-Erin Mines Limited on Current Account	434,276.11. 0.	1,215,974.34	433,220.14. 6.	1,213,018.03
			5,103.17. 6.	<u>14,290.85</u>
			438,324.12. 0.	<u>1,227,308.88</u>
CURRENT LIABILITIES				
Sundry Creditors and Accrued Charges	856.14. 6.	2,398.83	1,272.16. 3.	3,563.88
			100. 0. 0.	<u>260.00</u>
			1,372.16. 3.	<u>3,843.88</u>
	-90,578.14. 0.	<u>1,373,620.36</u>	-90,578.14. 0.	<u>3,573,272.22</u>

## AUGI-ORS' REPORT TO THE SHAREHOLDERS

We have examined the Balance Sheet of Emerald Isle Mining Company Limited as at 31st December, 1963, and the related Statement of Financial Results, and the Statement of Expenditure of the Company for the year ended 31st December, 1963, and have obtained all the information and explanations required by us. In our opinion the said Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Company's affairs, according to the best of our information and the explanations given to us and as shown by the Books of the Company.

35, Upper Mount Street,  
Dublin.

21st April, 1964

The undersigned Directors of Emerald Isle Mining Company Limited, certify that monies advanced to the Company after December 31, 1963, to the date hereof, have been spent by the Company in exploration of its property at Allihies, Ireland, or in connection therewith.

*John Kostuik*  
John Kostuik

**John S. Grant**

October 20, 1964

John Woods & Co.  
Chartered Accountants

Chartered Accountants



STATEMENT OF FURNISHINGS AND EQUIPMENT LESS DEPRECIATION

	£	\$
Camp Furnishings	966. 0. 0.	2,704.80
Office Furnishings and Equipment	222. 0. 0.	621.60
Plant and Equipment	<u>13,979. 0. 0.</u>	<u>39,141.20</u>
	15,167. 0. 0.	42,467.60
		<u><u>          </u></u>

STATEMENT OF DEFERRED EXPLORATION AND DEVELOPMENT AND ADMINISTRATION EXPENSES for the year ended 31st December, 1963.EXPLORATION AND DEVELOPMENT

General Development of Property including Salaries and Wages	431. 7. 3.	1,207.82
Depreciation and Maintenance of Plant & Equipment	1,939. 0. 0.	5,429.20.
Travel Transport and Public Relations Expenses	551. 2. 7.	1,543.16
Miscellaneous	<u>115.11. 8.</u>	<u>323.63</u>
Expenditure for year ended 31st December, 1963	3,037. 1. 6.	8,503.81
Expenditure to 31st December, 1962	<u>410,127. 5. 4.</u>	<u>1,148,356.35</u>
Cumulative Total to 31st December, 1963	<u>413,164. 6.10.</u>	<u>1,156,860.16</u>
		<u><u>          </u></u>

ADMINISTRATION EXPENSES

Audit Fees	52.10. 0.	147.00
Accountancy and Secretarial Fees	252. 0. 0.	705.60
Miscellaneous	<u>26. 7. 3.</u>	<u>73.82</u>
Expenditure for year ended 31st December, 1963	330.17. 3.	926.42
Expenditure to 31st December, 1962	<u>19,725.10. 5.</u>	<u>55,231.45</u>
Cumulative Total to 31st December, 1963	<u>20,056. 7. 8.</u>	<u>56,157.87</u>
		<u><u>          </u></u>
Total Expenditure to 31st December, 1963	<u>433,220.14. 6.</u>	<u>1,213,018.03</u>
		<u><u>          </u></u>



# ENGINEER'S REPORT

Can-Erin Mines Limited

Exploration - 1964

## Summary and Recommendations

In February 1964 an exploratory program was initiated by Can-Erin Mines on its copper prospect located at Allihies, Co. Cork, Ireland. The first phase of this program, recently completed, included geochemical and geophysical test work over about two square miles of the most potential part of the ground.

The detailed Induced Potential geophysical work has indicated nine anomalous areas, some of which have merit with respect to known geological structures and geochemical indicators, and it is felt that at least several of the areas warrant further investigation by diamond drilling. It is recommended that initially 2500 feet of drilling be allocated for the primary test with availability for an additional two or three thousand feet, if warranted.

All anomalous areas should be investigated in detail geologically before selection of drill sites and where possible, additional mapping and/or soil sampling should be initiated. This preliminary drill preparation would require four to six weeks and cost about \$2,000. Drilling costs can be approximated at \$5.00 per foot.

## Resume of Past Exploration

The Allihies copper area produced several million tons of copper ore during the last century - this production coming from four mines which were worked to depths of 600 to 1,500 feet. In 1956, Can-Erin obtained prospecting rights over the area and concentrated exploration efforts mainly in testing the depth potential below the previously worked portion of the Mt. Mine, which was 1,400 feet. Several shallow drill tests were carried out over and around the other old mine areas, but did not produce economic or conclusive results. The depth exploratory test at the Mt. Mine indicated 1,664,000 tons of copper ore grading 1.74%.

In October 1961, active exploration at Allihies was discontinued by Can-Erin because of lack of funds and an appraisal was made of the situation. It was concluded that cost to develop and activate the old mines with the limited amount of ore indicated was prohibitive; that surface drill tests to below the old Caminches and Keallogue would be very costly and probably inconclusive.

Hence, the recently activated exploration program, financed and directed by Derusen Mines Limited, is an endeavour to locate economic mineralized zones other than those previously known and/or partially mined.

## Summary of Location and Geology

Allihies is located on the central, west coastal portion, of the Beara peninsula, which juts into the Atlantic on the south-west coast of Ireland. The area is accessible by good all-weather roads to the seaport town of Castletownbere - ten miles east, and to the city of Cork, 90 miles east, where sea, air and rail facilities exist.

Geology - The southwest coastal regions of Ireland are composed of an assemblage of Devonian and Carboniferous sedimentary rocks disturbed during the Armorican Orogenesis into a series of echelon folds. The major anticlines form west-south-west trending promontories and the intervening synclines are represented by bays and inlets. There are local variations to this overall pattern around Allihies.

Essentially the south-west part of the Beara peninsula is an elongated anticline striking northeast-southwest. The flanks of the anticline dip steeply into the sea on the north and south sides of the peninsula. The core of the anticline contains a superimposed syncline, which is about 1.1/2 miles across. The Ballydougan Slate Group at Allihies forms the core of this uplift. Also at Allihies minor folds are superimposed on the flanks of the main anticlinal and synclinal structures. The whole locality has been subjected to differential stresses which have resulted in many lineaments, which may be classed as joints, fractures or faults.

Copper bearing quartz veins have been injected along the developed lines of weakness, however, dextral wrench faults and intersecting shear zones have been the loci for the most significant mineralized injections of the hydrothermal quartz lodes. Mineralization consists of mainly chalcopyrite with subordinate amounts of bornite, tetrahedrite and pyrite, which occurs as disseminations and concentrated pools and lenses varying from a few inches to over fifty feet in width.

The Allihies area is underlain by Devonian slates, sandstones and siltstones which may be divided into two lithological units: the lower Ballydougan Slates and the upper Allihies Sandstone. The Ballydougan Slates are composed of massive to locally well foliated purple-grey slates with minor silty and sandy facies; the Allihies Sandstone group contains coarse to fine grey-green sandstone with included silty purple slate.

## Current Geophysical and Geochemical Work

The current program was laid out to blanket the old mine areas, the drift covered valley and important structures. The work was initiated in three stages as follows:

- (1) A reconnaissance electromagnetic survey using the Sheridan-Kelk Dual Frequency Magnaphase Electromagnetic instrument. The instrument was used in a horizontal coil configuration with a transmitter-receiver separation of 300 feet. Reading of the high (2400cps) frequency amplitude and phase were recorded at a station interval of 100 feet and in anomalous areas the station interval was reduced to 50 feet.



Reading at both the high and low (800 cps) were recorded". Lines were oriented N-68-W to approximately cross section most important structures. Including a limited amount of test work, a total of 35 line miles of EM survey work was completed, with a line separation of 300 feet.

Simultaneously with the EM survey a geochemical soil survey was conducted covering the initial area with sample separation of 300 by 300 feet. Samples were taken at a depth of six to eight inches and were analyzed by hot acid extraction for total copper. Results were presented on a contour plan - scale 880' = 1 inch.

- (2) An Induced Potential survey was employed to blanket "interest areas" indicated by the EM and geochemical surveys. As this area was fairly large with several well scattered anomalous areas, a line spacing of 1,000 feet was used, but lines were so chosen to cross or contact interest areas. Sixteen lines were run totaling 64,200' (12.2 miles) in length and covering a strike length of 10,900'.

"A Seigel Mark V pulse-type unit was employed on this survey. This has a solid state circuitry and is of high sensitivity. The current-on time is 1.5 seconds and the measuring time is 1.5 seconds. Measurements are made of the primary (steady-state) current and voltage, as well as the time intervals of the transient (polarisation decay) voltage. From the first two can be determined the D.C. resistivity of the medium, in ohm metres, and from the last two can be obtained the I.P. factor known as the "chargeability", in milliseconds". The three electrode array was employed on the primary coverage, electrode spacing was 200', but was reduced to 30 feet on interest areas. Total covering involved 12 line miles.

- (3) A follow-up Induced Potential Survey was used to delimit the interest areas indicated by the initial I.P. work. Nine anomalous areas were outlined by the work on a line spacing of 250 feet. In a few cases lines were oriented normal to the original lines in an effort to establish a strike of zones.

### Results

The reconnaissance Electromagnetic survey outlined several conductors believed to represent mineralized zones. Some of these zones roughly correlate the I.P. results, but where no I.P. response was indicated, it was felt the E.M. conductors were due to local conditions in shear zones or overburden.

The geochemical survey outlined several anomalous areas, which coincide with the geophysical results and did, along with the E.M., help to eliminate a substantial part of the original area chosen for survey. However, geochemistry at Allihies has to be treated with caution, as sources of contamination, from the old mines, are many and topography lends to numerous down slope metal accumulations. Additional detailed soil sampling around some of the anomalous areas is warranted.

The Follow-up Induced Potential work was extended north and east to cover structures where low indicators were noted in the first phase. As a result several additional anomalous zones were indicated and detailed. In all nine zones showing chargeability values ranging from four to nine milliseconds were located. The mean back ground level was two milliseconds. Dr. Seigel in his report covering the work indicates these chargeability values, by normal standards, are only moderately anomalous. However, he does qualify this statement on consideration of the type of deposit and total sulphide mineralization anticipated.

The geophysical report lists and locates the anomalous areas and supplementing this presentation the various zones are herewith briefly discussed:

Zone A is situated near the north end of the "California Lode" which was located by edit from the Marion structure in 1900. Surface mapping, on the anomalous area shows a series of small quartz stringers intersecting northeast striking faults. As it is possible that structure and mineralization develops at depth, detailed geological investigation followed by diamond drilling is warranted. In view of the rugged nature of the terrain, drilling details should not be presented until after an on-site investigation.

Zone B is located west of the main Mt. Mine structure, here again, surface mapping shows disconnected quartz stringers, which may have some relation to the west extension of the Mt. Mine. An on site investigation followed by drilling proposal is warranted.

Zone C is an extension of the Dooneen Mine structure. The area is covered by light overburden and shows moderately anomalous geochemical indicators. Surface investigation and follow-up geochemical work is warranted.

Zone D is about 800 feet south of the Dooneen, is drift covered and shows a high (1500 P.P.M. cu) geochemical indicator nearby. Surface investigation and follow-up geochemical work are indicated prior to any drill test proposal.

Zone E lies about 3,000 feet southwest of the Mt. Mines. The area is blanketed with light overburden and shows strong geochemical indicators. A projection of the Politannig fault intersects the zone. This area warrants detailed geochem. before any drilling probe.

Zones F & G are located in the central part of the Allihies Valley and shows no special geophysical or geochemical merit, however, they are located in close proximity to the extensions of local fault and fissure structures. Some detailed geochemical work may enhance the picture, but drilling is not currently recommended.

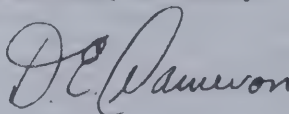
Zones H & I appear to be related to extensions of the main Kralloppe fault vein structure. Down slope geochemical indicators lend some weight to the situation. Closer soil sampling is recommended, drilling only if geochemical and other drill tests satisfactory.



### Summary Conclusion

The several "low order" induced polarisation anomalies outlined by the survey work are in most cases supported by geological structures and/or geochemical indicators. Dr. Seigel indicates that chargeabilities "could be caused by disseminations of the order of 1% to 3% by volume of metallic sulphides over widths of 50 feet or more or less by higher percentage over smaller width". In the old mines chalcocite is the main sulphide, the amounts of bornite, tetrahedrite and pyrite being practically negligible by volume. It thus seems that one could not expect a normal "high order" induced potential anomaly over the widths and grade anticipated for the Allihies area. Hence "low order" anomalies should be carefully considered and further investigation of several of the anomalies is warranted.

Respectfully submitted,



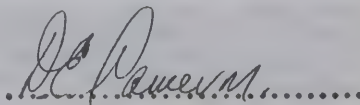
D. E. Cameron, B.Sc.

3h

### C E R T I F I C A T E

I, Donald Elwood Cameron, of the City of Toronto, in the County of York, Province of Ontario, do hereby certify that:

1. - I am a Mining Geologist, residing at 292 Essex Avenue, Richmond Hill, Ontario.
2. - I am a graduate of Mount Allison University, Sackville, New Brunswick, with the degree of B. Sc.
3. - I am a member of the Canadian Institute of Mining and Metallurgy and have practiced my profession continuously for twenty-two years.
- 4.- I have no personal interest in any of the properties of Can-Erin Mines Limited. I am the owner of 5000 shares of Can-Erin Mines Limited, purchased by me for investment.
5. - My report on the property of Can-Erin Mines Limited at Allihies, County Cork, Ireland is based on a personal examination of the property and study of the engineering and geological records.



Dated 2nd. November, 1964.  
2/11/64



# HAROLD O. SEGEL & ASSOCIATES, Limited

GEOPHYSICAL CONSULTING AND CONSULTANTS

79 MARTIN ROSS AVE.

P.O. BOX 158 DOWNSVIEW, ONTARIO

CABLE:  
"SEGEL", TORONTO

TELEPHONE  
633 2450

## REPORT ON SECOND STAGE INDUCED POLARIZATION SURVEY ALLIHIES AREA, CO. CORK, IRELAND ON BEHALF OF DEMISON MINES, LIMITED

### INTRODUCTION

IN JUNE, 1964, A GEOPHYSICAL PARTY UNDER THE DIRECTION OF MR. FRANK BUCKLEY, B.Sc., CARRIED OUT THE SECOND STAGE OF AN INDUCED POLARIZATION SURVEY IN THE ALLIHIES AREA, CO. CORK, IRELAND. THE FIRST, A RECONNAISSANCE STAGE, WAS EXECUTED IN APRIL AND MAY, 1964, AND REVEALED CERTAIN AREAS ON WHICH DETAILED INVESTIGATION APPEARED DESIRABLE. THE CONCLUSIONS AND RECOMMENDATIONS ARISING FROM THE FIRST STAGE ARE EMBODIED IN THE WRITER'S REPORT DATED MAY 25, 1964.

THE EARLIER REPORT DESCRIBED THE GEOPHYSICAL FIELD TECHNIQUE EMPLOYED AND SUMMARIZED THE GEOLOGIC ENVIRONMENT. SUCH DETAILS WILL THEREFORE NOT BE REPEATED HEREIN.

FOR THE PRESENT DETAIL COVERAGE THE LINES WERE ORIENTED BOTH N20°W AND AT RIGHT ANGLE THERETO (N62°E), BECAUSE OF THE UNCERTAINTY OF PROBABLE STRIKE DIRECTION OF THE CUPRIFEROUS QUARTZ VEINS. IN ALL, PORTIONS OF 28 LINES WERE SURVEYED TOTALLING 49,250' (9.3 MILES) IN LENGTH. THE THREE ELECTRODE ARRAY WAS EMPLOYED, USING AN ELECTRODE SPACING OF 200' FOR PRIMARY COVERAGE. ON SELECTED AREAS ELECTRODE SPACINGS DOWN TO 50' WERE EMPLOYED.

### DISTRIBUTION OF RESULTS

THE ACCOMPANYING PLAN SHOWS THE GEOPHYSICAL RESULTS IN PROFILE FORM. THE PROFILE SCALES ARE 1" = 500' (INTERLINE SPACING NOT TO SCALE), 1" = 5 MILLISECONDS FOR CHARGEABILITY AND 1" = 1000 OHM METRES FOR RESISTIVITY. A LOCATIONAL PLAN IS INSET SHOWING THE LINES COVERED, IN THEIR PROPER RELATIVE LOCATIONS, ON THE SCALE OF 1" = 880', INCLUDING ALL THE LINES SURVEYED TO DATE. THE VARIOUS KNOWN MINERALIZED AREAS ARE ALSO SHOWN ON THIS PLAN.

THE OBSERVED RANGE OF CHARGEABILITIES IS FROM 1.0 TO 9.9 MILLISECONDS. THE MEAN BACKGROUND LEVEL, AS BEFORE, IS ABOUT 2 MILLISECONDS, PLUS OR MINUS 1 MILLISECOND. CHARGEABILITY VALUES IN EXCESS OF 4 MILLISECONDS MAY BE CONSIDERED TO BE SUFFICIENTLY HIGH TO BE ANOMALOUS. A UNIFORM DISSEMINATION OF 1% METALLIC SULPHIDES BY VOLUME, OVER A REGION OF THE ORDER OF THE ELECTRODE SPACING IN DIAMETER AND UNDER LITTLE COVER, WOULD GIVE RISE TO AT LEAST 4 MILLISECONDS INCREASED RESPONSE.

THE INSET LOCATION MAP SHOWS THE SECTIONS OF ALL LINES TO DATE (FIRST AND SECOND STAGES) WHICH ARE ANOMALOUS BY THE ABOVE DEFINITION, AS WELL AS THE CORRESPONDING PEAK VALUE ON THE 200' SPACING COVERAGE. THOSE INDICATIONS WHICH ARE APPARENTLY DUE TO PIPE LINES, ETC., HAVE BEEN EXCLUDED FROM THE PLOTTING.

NINE ZONES OF SOMEWHAT INCREASED CHARGEABILITY ARE TO BE SEEN AND THESE ARE INDICATED BY THE LETTERS A TO I ON THE INSET PLAN. BY NORMAL STANDARDS THE STRONGEST OF THESE IS ONLY MODERATELY ANOMALOUS, BUT, IN VIEW OF THE RELATIVELY SMALL AMOUNTS OF TOTAL SULPHIDE MINERALIZATION ANTICIPATED IN THE PRESENT TYPE OF DEPOSITS, EVEN SUCH MODEST INDICATIONS ARE WORTHY OF FURTHER CONSIDERATION. THESE ZONES WILL BE DISCUSSED, IN TURN, BELOW IN REGARD TO THEIR GEOPHYSICAL CHARACTERISTICS AND THEIR GEOLOGICAL AND GEOCHEMICAL ASSOCIATION.

Zone A THIS ATTAINS A MAXIMUM CHARGEABILITY OF 6.5 MILLISECONDS NEAR 6500'N ON LINE 25E. THE RESISTIVITY LEVEL IS GENERALLY HIGH. NO GEOCHEMICAL DATA WAS GATHERED IN THIS AREA. THE SHORT SPACING (100') I.P. RESULTS INDICATE AT LEAST TWO BANDS OF INCREASED CHARGEABILITY OVER THE INTERVAL FROM 6300'N TO 6700'N ON LINE 25E. THE 50' TO 1" GEOLOGICAL PLAN SHOWS MANY MINOR QUARTZ VEINS AND SOME COPPER STAINING IN THIS AREA. THE "CALIFORNIA LOBE" IS BELIEVED TO TEND IN THIS DIRECTION.

A DEFINITE, ALTHOUGH LOWER ORDER, I.P. INDICATION CAN BE SEEN AT THIS LATITUDE ON LINE 22.5E, AND AN INDEFINITE INDICATION ON LINE 27.5E.

Zone B A PEAK VALUE OF 7.7 MILLISECONDS ON LINE 25E NEAR 4900'N MARKS THE LOCATION OF THE WEST END OF THE MAIN MOUNTAIN MINE ORE BODIES. THIS INDICATION MAY BE DUE TO MINERALIZATION REMAINING UNMINED IN THIS VICINITY. ON LINE 51N NEAR 225'W A PEAK VALUE OF 6.5 MILLISECONDS ON THE 200' SPACING AND 9.9 MILLISECONDS ON THE 50' SPACING MAY REFLECT A SIGNIFICANT WESTERLY EXTENSION OF THE MOUNTAIN MINE ORE BODIES. ITS DEPTH OF BURIAL IS LESS THAN 25'. IT LIES ADJACENT TO THE CONTACT BETWEEN DEVONIAN SANDSTONES AND SLATES ON WHICH THE MOUNTAIN MINE LARGELY OCCURS.

THE NEAR-SURFACE CHARGEABILITY PEAK LIES CLOSE TO A ROAD, SO THAT EXAMINATION FOR PIPE LINES AND OTHER MAN-MADE CONDUCTORS WOULD BE REQUIRED TO ELIMINATE SUCH POSSIBILITIES.



ZONE C THIS IS A BROAD, POORLY DEFINED AREA OF MODERATE CHARGEABILITY VALUES OF UP TO 3.5 MILLISECONDS PEAK AMPLITUDE. ITS CHIEF MERIT RESIDES IN ITS LOCATION, ON THE EASTWARD EXTENSION OF THE DOORNEEN MINES.

A SPECIFIC LOCUS OF INTEREST WOULD BE NEAR 750°W, 8500°N.

ZONE D THIS IS LOCATED ABOUT 800' SOUTH OF ZONE C AND IS OF COMPARABLE, LOW, GEOPHYSICAL AMPLITUDE. THERE IS NO DIRECTLY CORRELATING GEOCHEMICAL ACTIVITY.

A SPECIFIC LOCUS OF INTEREST ON ZONE D WOULD BE NEAR 800°W, 7800°N.

ZONE E THIS IS A VERY LOW ORDER INDICATION, OF 4.7 MILLISECONDS PEAK CHARGEABILITY (ON LINE 12.5W). ITS CHIEF MERIT WOULD BE THAT THERE IS SOME GEOCHEMICAL ACTIVITY IN THE VICINITY, RISING TO 1700 P.P.M. COPPER OFF ITS WEST END.

A SPECIFIC LOCUS OF INTEREST ON ZONE E WOULD BE NEAR 1250°W, 6150°N, AT LESS THAN 50' DEPTH.

ZONE F THE PEAK CHARGEABILITY IS ONLY 4.3 MILLISECONDS ON THIS ZONE. MODERATE GEOCHEMICAL VALUES, UP TO 400 P.P.M.; LIE DOWNSLOPE FROM IT AND ADD INTEREST TO AN OTHERWISE POOR-LOOKING SITUATION.

A LOCUS OF INTEREST HERE WOULD BE NEAR 1500°E, 250°S, AT LESS THAN 50' DEPTH.

ZONE G THIS IS A VERY LOW ORDER INDICATION (4.1 MILLISECONDS PEAK) WITH NO SPECIAL GEOCHEMICAL OR GEOLOGICAL INTEREST.

ZONES H AND I THESE ARE SIMILAR, LOW ORDER I.P. RESPONSES WHICH ARE OF INTEREST MAINLY BECAUSE THEY LIE ON THE POSSIBLE SOUTHWEST EXTENSION OF THE KEALLOGUE VEIN-FAULT STRUCTURE. THERE IS NO GEOCHEMICAL CORRELATION WHICH WE MAY CALL DIRECT, ALTHOUGH THERE ARE MODERATELY ANOMALOUS COPPER CONCENTRATIONS DOWNSLOPE FROM EACH OF THESE ZONES.

SPECIFIC LOCI OF INTEREST ON THESE ZONES WOULD BE AS FOLLOWS:

ZONE H - 50°S, 2500°W.

ZONE I - 150°N, 4500°W.

#### CONCLUSIONS AND RECOMMENDATIONS

NINE LOW ORDER INDUCED POLARIZATION ANOMALIES HAVE BEEN INDICATED BY THE INDUCED POLARIZATION SURVEYS TO THE PRESENT TIME ON THIS PROPERTY. ANYONE OF THESE COULD BE CAUSED BY DISSEMINATIONS OF THE ORDER OF 1-3% BY VOLUME OF METALLIC SULPHIDES OVER WIDTHS OF THE ORDER OF 50' OR MORE, OR ELSE BY HIGHER PERCENTAGES OVER SMALLER WIDTHS. FIVE OF THESE ZONES (A, B, C, H AND I) ARE LOCATED FAVOURABLE WITH RESPECT TO STRUCTURES OF KNOWN GEOLOGIC INTEREST AND AN ADDITIONAL ZONE (E) HAS SOME COPPER CONCENTRATIONS IN THE SOILS IN ITS VICINITY.

SPECIFIC LOCI OF INTEREST, BASED ON THE GEOPHYSICAL RESULTS, HAVE BEEN SUGGESTED FOR THESE VARIOUS ZONES. THESE LOCI SHOULD BE MAPPED IN DETAIL. UNLESS THIS ADDITIONAL MAPPING ELIMINATES THE ZONES FROM FURTHER CONSIDERATION THEN DRILLING WOULD BE RECOMMENDED ON AT LEAST ZONES A, B, C, E, H AND I.

IN VIEW OF THE CONSIDERABLE TOPOGRAPHIC RELIEF IN THIS AREA, DRILL HOLES CANNOT BE PROPERLY LAID OUT WITHOUT CONSIDERATION OF THE LOCAL SURFACE CONDITIONS. IT IS FOR THIS REASON THAT ONLY TARGETS AND NOT DRILL HOLES HAVE BEEN SPECIFIED ABOVE. IT WILL BE LEFT TO THE DENISON MINES ENGINEER IN THE AREA TO SPOT THE INDIVIDUAL HOLES ON THE TARGETS NOTED ABOVE.

RESPECTFULLY SUBMITTED,

HAROLD O. SEIGEL & ASSOCIATES, LTD.

*per H.O. Seigel - Chief, M.S.E. 1.22*

TORONTO, ONTARIO.  
AUGUST 3, 1964.

HAROLD O. SEIGEL, PH.D., P.ENG.



## SUMMARY

THE COMBINED FIRST AND SECOND STAGE INDUCED POLARIZATION SURVEYS HAVE REVEALED THE PRESENCE OF NINE LOW ORDER ANOMALOUS ZONES. FIVE OF THESE ZONES ARE LOCATED FAVOURABLY WITH RESPECT TO STRUCTURES OF KNOWN GEOLOGIC INTEREST, AND A SIXTH HAS SOME COPPER CONCENTRATIONS IN THE SOILS IN ITS VICINITY.

IT IS RECOMMENDED THAT THE VARIOUS ANOMALOUS ZONES SHOULD BE MAPPED IN DETAIL. UNLESS THEREBY ELIMINATED THE ZONES SHOULD BE INVESTIGATED BY DRILLING. SPECIFIC LOCI OF INTEREST ARE RECOMMENDED ON THESE ZONES, WHICH WOULD ACT AS DRILLING TARGETS.

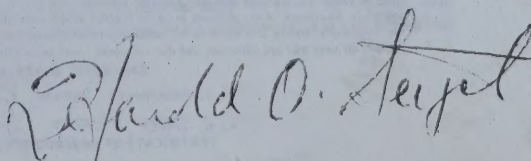
IN VIEW OF THE CONSIDERABLE TOPOGRAPHIC RELIEF, IT IS BELIEVED ADVISABLE TO DELEGATE THE SPOTTING OF DRILL HOLES TO THE ENGINEER ON THE PROPERTY.

## CERTIFICATE

I, Harold O. Seigel, of the City of Toronto, in the Province of Ontario, do hereby certify that:

1. I am a consulting geophysicist with business address at 79 Martin Ross Avenue, Downsview, Ontario.
2. I am a graduate of the University of Toronto, with the degree of B.A. (1946), M.A. (1947) and Ph.D. (1949) and have been engaged in practising my profession for the past sixteen years.
3. I am a member of the Association of Professional Engineers of the Province of Ontario; a member of the Canadian Institute of Mining and Metallurgical Engineers; a Fellow of the Geological Association of Canada; an Active Member of the Society of Exploration Geophysicists; a member of the Canadian Exploration Geophysicists, of the American Geophysical Union and of the European Association of Exploration Geophysicists.
4. I have no interest, either directly or indirectly, in the securities of Denison Mines Limited nor in the properties held by it and discussed in this report, or do I expect to receive the same.
5. This report is based upon an examination by the writer of the geological, geochemical and geophysical data above mentioned. The writer has not visited the property concerned.

Dated at Toronto, Ontario, this 3rd day of August, 1964.



Harold O. Seigel, Ph. D., P. Eng.



10. Brief statement of company's chief development work during past year.	The Company has carried out further geophysical and geochemical test work over approximately two square miles of its holdings at Allihies, County Cork, Ireland, to test certain areas. Detailed induced potential geophysical work has indicated nine anomalous areas, at least six of which warrant further investigation by diamond drilling. The additional work was done in an endeavour to locate mineralized zones other than those previously known or partially mined in the past. The work consisted of a reconnaissance electromagnetic survey, a geochemical survey, an induced potential survey and a follow-up thereto.
11. Names and addresses of vendors of any property or other assets intended to be purchased by the company showing the consideration to be paid.	None
12. Names and addresses of persons who have received or will receive a greater than 5% interest in the shares or other consideration to be received by the vendor. If the vendor is a limited company, the names and addresses of persons having a greater than 5% interest in the vendor company.	Not applicable
13. Number of shares held in escrow or in pool and a brief statement of the terms of escrow or the pooling agreement.	Nil
14. Names and addresses of owners of more than a 5% interest in escrowed shares and their shareholdings (If shares are registered in the names of nominees or in street names, give names of beneficial owners, if possible.)	Not applicable
15. Names, addresses and shareholdings of five largest registered shareholders and if shareholdings are pooled or escrowed, so stating. If shares are registered in names of nominees or in street names, give names of beneficial owners, if possible, and if names are not those of beneficial owners, so state.	<p>According to the records of the Company's stock registrar and transfer agent:</p> <p>Guaranty Trust Company of Canada, 366 Bay Street, Toronto (Account No. T3100) 526,965 shares</p> <p>Denison Mines Limited, 4 King Street West, Toronto, Ontario 440,000 shares</p> <p>Park &amp; Company, 47 Threadneedle Street, London EC2, England 192,230 shares</p> <p>Doherty Roadhouse &amp; McGuaig Bros. 335 Bay Street, Toronto, Ontario 160,934 shares</p> <p>Draper Dobié &amp; Co. Limited 25 Adelaide Street W. Toronto, Ontario 112,254 shares</p> <p>The shares registered in the name of Guaranty Trust Company of Canada are beneficially owned by Denison Mines Limited, as are the shares registered in the name of Denison Mines Limited. The beneficial owners of the other shares registered to brokers, are not known to the Company.</p>
16. Names, and addresses of persons whose shareholdings are large enough to materially affect control of the company.	Denison Mines Limited, 4 King Street West, Toronto, Ontario.
17. If assets include investments in the shares or other securities of other companies, give an itemized statement thereof showing cost or book value and present market value.	Emerald Isle Mining Company Limited, 49,400 shares at a cost of \$140,826. There is no market value for these shares.
18. Brief statement of any lawsuits pending or in process against company or its properties.	Nil
19. The dates of and parties to and the general nature of every material contract entered into by the company which is still in effect and is not disclosed in the foregoing.	Nil
20. Statement of any other material facts and if none, so state. Also state whether any shares of the company are in the course of primary distribution to the public.	John Kostuik, the President and a Director of the Company is a Vice-President and a Director, the General Manager and a shareholder of Denison Mines Limited aforesaid. Reference is made to Schedule "A" and to the agreements of Denison Mines Limited (or its agent) and J. Bradley Streit & Co. Ltd. to purchase certain shares at the termination of the rights offering therein referred to. These shares may be in the course of primary distribution if the purchasers thereof shall elect to distribute same to the public. There are no other material facts.

CERTIFICATE OF THE COMPANY

DATED October 20, 1964

The foregoing, together with the financial information and other reports where required, constitutes full, true and plain disclosure of all material facts in respect of the matters referred to in Item 1 above and in respect of the company's affairs and there is no further material information applicable. (To be signed by two principal signing officers who are directors and the corporate seal to be affixed.)

CAN-ERIN MINES LIMITED

"F.T. McDermott" Per: [Signature] CORPORATE SEAL

"J.S. Grant" Per: [Signature] Vice President

CERTIFICATE OF UNDERWRITER OR OPTIONEE

To the best of my knowledge, information and belief, the foregoing, together with the financial information and the reports where required, constitutes full, true and plain disclosure of all material facts in respect of the matters referred to in Item 1 above in respect of the company's affairs. Concerning matters which are not within my knowledge, I have relied upon the accuracy and adequacy of the information supplied to me by the company. (To be signed by underwriter or optionee registered with the Ontario Securities Commission or a corresponding body.)

JOHN GARDON & COMPANY LIMITED

J. BRADLEY STREIT & COMPANY LIMITED

"J. Gardon" Per: [Signature]  
"J.B. Streit" Per: [Signature]  
"J.D. Streit" Per: [Signature]



THE EXCHANGE HAS NEITHER APPROVED NOR DISAPPROVED THE INFORMATION CONTAINED IN THIS AMENDING FILING STATEMENT, WHICH IS A REPRODUCTION OF THE ORIGINAL FILED WITH THE EXCHANGE BY THE COMPANY AND IS ISSUED FOR INFORMATION PURPOSES ONLY. THIS AMENDING FILING STATEMENT IS NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN APPROVAL OF THE TORONTO STOCK EXCHANGE.

# TORONTO STOCK EXCHANGE

AMENDING FILING STATEMENT No. 99.  
FILED, JANUARY 24th, 1963.

*File*

CAN-ERIN MINES LIMITED

Full corporate name of Company

## AMENDING FILING STATEMENT

(To be filed with respect to any change in a Filing Statement filed within a period of six months)

FEB 5 1963

To be read in conjunction with Filing Statement No. 831 dated November 21, 1962

Brief statement of the material change in the affairs of the company in respect of which this amending filing statement is filed.	(1) Termination of agreement of November 21, 1962 with Denison Mines Limited and Trans-Canada Explorations Limited respecting proposed acquisition of certain prospecting licences in Ireland. (2) Termination of agreement of November 21, 1962 with J.D. Cullingham & Company Limited respecting proposed purchase of certain treasury shares.
6. Details of any treasury shares or other securities now the subject of any underwriting, sale or option agreement or of any proposed underwriting, sale or option agreement.	The agreement of November 21, 1962 made with J.D. Cullingham & Company Limited has been terminated by mutual consent and is no longer in effect.
11. Names and addresses of vendors of any property or other assets intended to be purchased by the company showing the consideration to be paid.	The agreement dated November 21, 1962 between the Company and Denison Mines Limited and Trans-Canada Explorations Limited, related to the proposed acquisition from such companies of a total of 9 prospecting licences in Ireland, has been rescinded January 16, 1963 by notice of rescission given by Denison Mines Limited and Trans-Canada Explorations Limited, due to non-fulfilment of certain of the conditions to the said agreement. The agreement is therefore of no further force or effect.
20. Statement of any other material facts and if none, so state. Also state whether any shares of the company are in the course of primary distribution to the public.	The proposed application for supplementary letters patent to change the name of the Company and to re-organize its share capital, as set out in Filing Statement No. 831 will not now be proceeded with due to the termination of the aforesaid agreements.
Statement of any other material facts and if none, so state.	None.

DATED January 22, 1963

### CERTIFICATE OF THE COMPANY

The foregoing, together with the financial information and other reports where required, constitutes full, true and plain disclosure of all material facts in respect of the matters referred to in Item 1 above and in respect of the company's affairs and there is no further material information applicable. (To be signed by two principal signing officers who are directors and the corporate seal to be affixed.)

"J. Kostuik" CAN-ERIN MINES LIMITED  
Per: *J. Kostuik* CORPORATE  
"J.S. Grant" Per: *J.S. Grant* SEAL

### CERTIFICATE OF UNDERWRITER OR OPTIONEE

To the best of my knowledge, information and belief, the foregoing, together with the financial information and the reports where required, constitutes full, true and plain disclosure of all material facts in respect of the matters referred to in Item 1 above and in respect of the company's affairs. Concerning matters which are not within my knowledge, I have relied upon the accuracy and adequacy of the information supplied to me by the company. (To be signed by underwriter or optionee registered with the Ontario Securities Commission or a corresponding body.)

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# TORONTO STOCK EXCHANGE

100 KING STREET WEST, TORONTO, CANADA M5X 1C5

## AMENDING FILING STATEMENT

FEB 5 1983

TO BE FILED IN THE REGISTRATION DIVISION OF THE SECURITIES COMMISSION

<p>1. The Commission is hereby notified that the Registrant has filed with the Commission a copy of the Amending Filing Statement in accordance with the provisions of the Securities Act, R.S.C. (1970), Chapter S-46, and the Regulations thereunder.</p>	<p>2. The Commission is hereby notified that the Registrant has filed with the Commission a copy of the Amending Filing Statement in accordance with the provisions of the Securities Act, R.S.C. (1970), Chapter S-46, and the Regulations thereunder.</p>
<p>3. The Commission is hereby notified that the Registrant has filed with the Commission a copy of the Amending Filing Statement in accordance with the provisions of the Securities Act, R.S.C. (1970), Chapter S-46, and the Regulations thereunder.</p>	<p>4. The Commission is hereby notified that the Registrant has filed with the Commission a copy of the Amending Filing Statement in accordance with the provisions of the Securities Act, R.S.C. (1970), Chapter S-46, and the Regulations thereunder.</p>
<p>5. The Commission is hereby notified that the Registrant has filed with the Commission a copy of the Amending Filing Statement in accordance with the provisions of the Securities Act, R.S.C. (1970), Chapter S-46, and the Regulations thereunder.</p>	<p>6. The Commission is hereby notified that the Registrant has filed with the Commission a copy of the Amending Filing Statement in accordance with the provisions of the Securities Act, R.S.C. (1970), Chapter S-46, and the Regulations thereunder.</p>
<p>7. The Commission is hereby notified that the Registrant has filed with the Commission a copy of the Amending Filing Statement in accordance with the provisions of the Securities Act, R.S.C. (1970), Chapter S-46, and the Regulations thereunder.</p>	<p>8. The Commission is hereby notified that the Registrant has filed with the Commission a copy of the Amending Filing Statement in accordance with the provisions of the Securities Act, R.S.C. (1970), Chapter S-46, and the Regulations thereunder.</p>

DATE: FEBRUARY 5, 1983

### CERTIFICATE OF THE COMMISSION

The Commission is hereby notified that the Registrant has filed with the Commission a copy of the Amending Filing Statement in accordance with the provisions of the Securities Act, R.S.C. (1970), Chapter S-46, and the Regulations thereunder.

The Commission is hereby notified that the Registrant has filed with the Commission a copy of the Amending Filing Statement in accordance with the provisions of the Securities Act, R.S.C. (1970), Chapter S-46, and the Regulations thereunder.